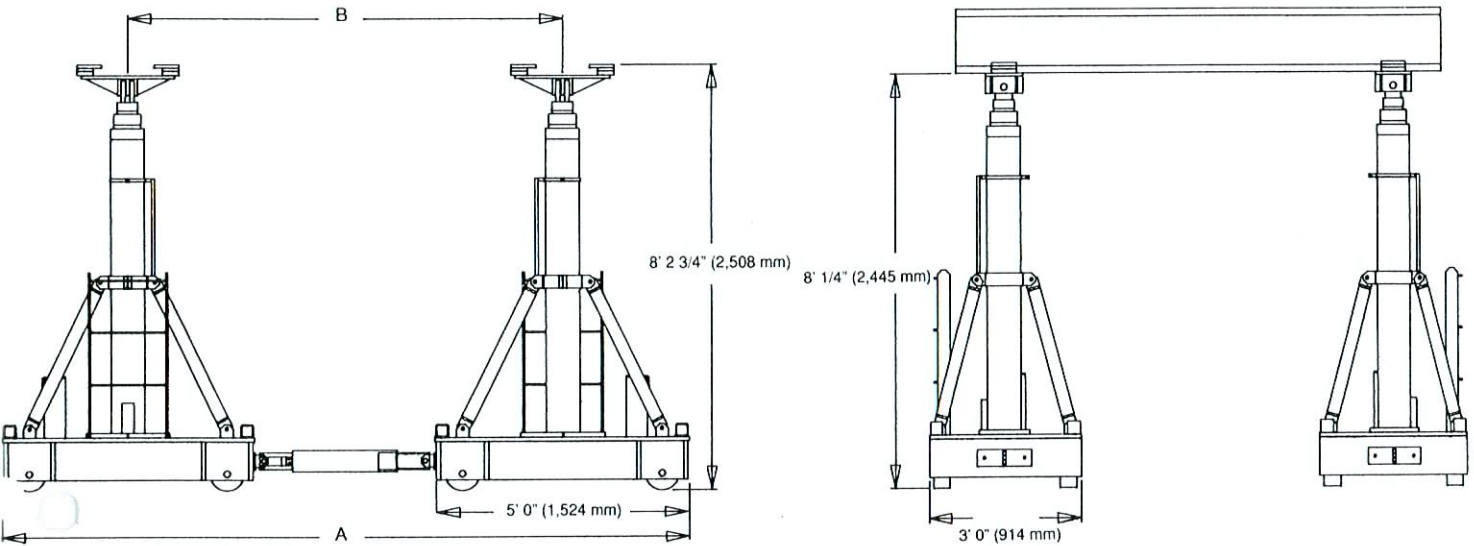




# LIFT SYSTEMS

Model 205A, 50 (45) ton 2 Point Lift Systems  
 Model 41A, 100 (91) ton 4 Point Lift Systems

4 POINT LIFT SYSTEMS



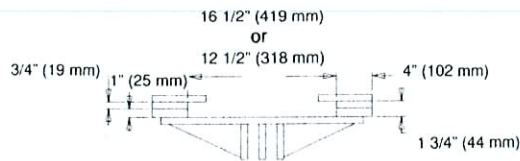
**CONNECTING TUBES:**

**SYSTEM LENGTH RETRACTED/ EXTENDED:**

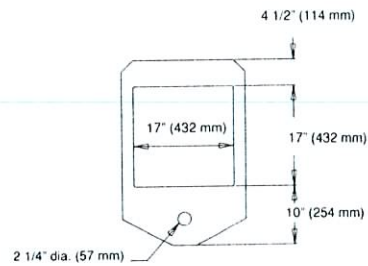
A 13' 5 1/4" (4,096 mm) / 25' 9 1/4" (7,855 mm)

B 8' 5 1/4" (2,572 mm) / 20' 9 1/4" (6,331 mm)

Note: Other lengths available.



**HEADER PLATE**



**LIFTING LINK**

**SPECIFICATIONS**

**STANDARD EQUIPMENT:**

**LIFTING UNITS (EACH):**

Non-retractable wheel modules. Four wheels per unit. Two stage telescopic double-acting cylinder with safety holding valve. Header plate assembly for attaching header beam. One 50' (15,240 mm) twinline hydraulic hose assembly. Approximate shipping weight: 2,700 lbs. (1,226).

**HYDRAULIC POWER SYSTEM (EACH):**

50 gallon (189) or 100 gallon (379) reservoir. Smaller reservoir operates two lifting units. Direct manual hydraulic control valves. Pressure gauges and oil filters. Oil level indicator. Standard power is 220 or 440 volt electric motor, or gasoline engine. Propane and diesel power are optional. Approximate shipping weight: 1,800 lbs. (816) - 2,200 lbs. (998), including 50 gallons (189) or 100 gallons (379) of hydraulic oil respectively.

**CYLINDERS:**

Two stage telescopic double-acting cylinders for power up and power down. Long overlaps and close tolerances for maximum strength and stability.

**CONNECTING TUBES:**

One set consists of two short and two long tube connections with four (4) bolt on tube shoes. Required for 4 Point configurations.

4 POINT LIFT SYSTEMS AND ASSOCIATED LOGO ARE CLAIMED AS A TRADEMARK BY LIFT SYSTEMS. \*PATENTED U.S. 4,573,853. PATENTED U.K. 2,154,543. PATENTS APPLIED FOR IN OTHER COUNTRIES.

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NOTE: Specifications are provided in U.S. and (Metric) millimeters. All equipment dimensions, designs, specifications, calculations, etc., as described above, are subject to change at manufacturer's discretion at any time without notice. Data herein is for informational purposes only and will not be construed to guarantee suitability of the equipment for any particular purpose as performance may vary with conditions encountered. Warranty will apply as written in standard contract form upon purchase of equipment.

**OPTIONAL EQUIPMENT:**

**LIFTING LINKS:**

25 (23) ton capacity each link. One link per lifting unit. Approximate shipping weight: 150 lbs. (68).

**GANG BOX:**

30" (762 mm) wide x 36" (914 mm) deep x 60" (1,524 mm) long steel storage box. Approximate shipping weight: 250 lbs. (113).

**PROPEL CYLINDERS:**

Includes one pair of double-acting cylinders for smooth, precise control over heavier loads with a 4' (1,219 mm) extension or retraction. Attaching hardware included. Approximate shipping weight: 200 lbs. (91).

**DIRECT POWER DRIVE:**

Attachment with hydraulic motor drive and high traction rubber wheels to provide continuous propel for long distance travel. Other propel options available.

**AUXILIARY POWER SYSTEM:**

Secondary power source available with 50 gallon (189) reservoir to operate two lifting units independently of or in conjunction with 4 Point Lift System. Approximate shipping weight: 1,800 lbs. (816) including 50 gallons (189) of hydraulic oil.

**REMOTE CONTROL:**

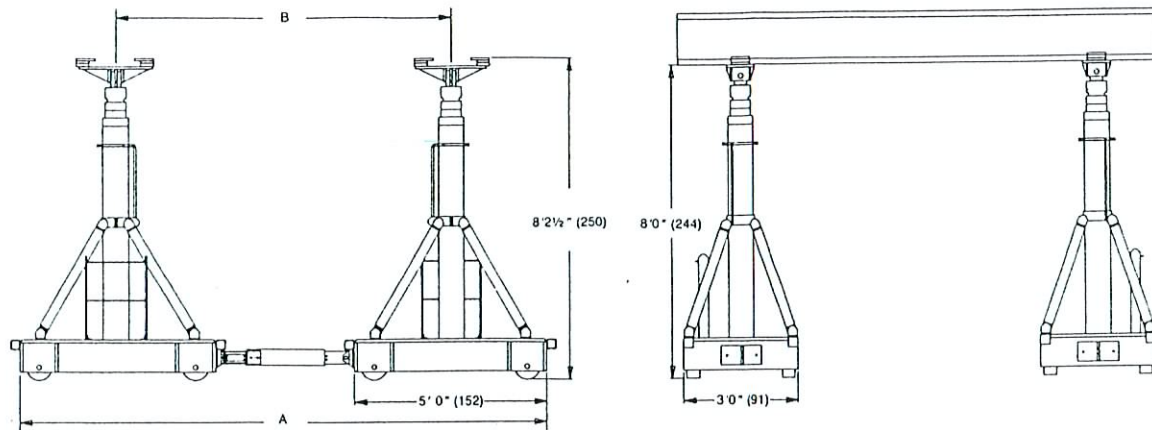
Electronic remote control will include 50' (15,240 mm) control cable or wireless control, electronic control console to control lifting units and portable pedestal or harness.

**LIFTING BEAMS:**

Consult factory. Length and weight of lifting beams and cross beams can be furnished to suit customer needs and applications.

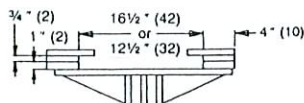
**RUNWAY:**

100 (91) ton maximum capacity non-retractable runway available in 10' (3,048 mm) and 15' (4,572 mm) sections. Approximate shipping weight: 44 lbs. (20) per linear foot.



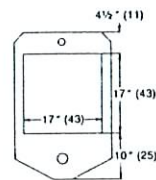
Verbindungsrohre  
verstellbar

A 13'4" (406) / 28'8" (874)  
B 8'4" (254) / 23'8" (721)  
Note: Other lengths available.



Kopfplatte

HEADER PLATE



LIFTING LINK

Hubhaken

**Technische Daten:**

**Hubeinheiten:**

Stabile Stahlkonstruktion mit großdimensionierten Abstützungen.  
4 Räder pro Hubeinheit. Doppeltwirkende zweistufige Hydraulikzylinder mit Rohrbruch-Sicherheitsventilen. 15 Meter Doppelhydraulikschlauch zum Anschluß an Hydraulikaggregat.  
Gewicht pro Hubeinheit ca 1.230 kg

**Hydraulik Aggregate:**

380 Liter Öltank (für 2 Hubeinheiten) mit direkter Hydrauliksteuerung, Druckmesser und Ölfilter. 380 Volt Elektromotor.  
Gewicht pro Aggregat ca. 1.000 kg inkl. Öl.

**Verschubzylinder:**

1 Paar Verschubzylinder für ca. 950 mm Verschub.  
Gewicht pro Paar ca. 120 kg.

**Hydraulikantrieb: optional**

Hydrostatischer Reibradantrieb zum Verfahren der Hubeinheiten über längere Strecken.

Änderung der Maße und Gewichte vorbehalten.

				Maßstab	
		Datum	Name	<b>Model 205 A 2 Punkt System</b> <b>Model 41 A 4 Punkt System</b>	
Bearb.	2.2.95		<i>WJ</i>		
Gepr					
		Norm			
				<b>LIFT SYSTEMS</b>	
<b>INKRA GMBH</b> <b>74629 Pfedelbach</b>					
Zust	Änderung	Datum	Name	Bl	



# LIFT SYSTEMS

## MODEL 205A, 50 (45) TON 2 POINT LIFT SYSTEM HYDRAULIC CAPACITY CHART

### CYLINDER STAGES

Pressure	1140	1000	800	600	400	200
18'6" (5,639 mm) 2nd Stage	32 (29) ton	28 (25) ton	23 (21) ton	17 (15) ton	11 (10) ton	6 (5) ton
13'4" (4,064 mm) 1st Stage	50 (45) ton	44 (40) ton	35 (32) ton	27 (24) ton	18 (16) ton	9 (8) ton

8'0"  
(2,438 mm)

Standard  
(Metric)



## MODEL 41A, 100 (91) TON 4 POINT LIFT SYSTEM HYDRAULIC CAPACITY CHART

### CYLINDER STAGES

Pressure	1140	1000	800	600	400	200
18'6" (5,639 mm) 2nd Stage	64 (58) ton	56 (51) ton	46 (42) ton	34 (31) ton	22 (20) ton	12 (11) ton
13'4" (4,064 mm) 1st Stage	100 (91) ton	88 (80) ton	70 (64) ton	54 (49) ton	36 (33) ton	18 (16) ton

8'0"  
(2,438 mm)

Standard  
(Metric)



### NOTES TO LIFTING CAPACITIES

- DO NOT EXCEED MAXIMUM PRESSURE FOR EACH STAGE. All capacities are structural; do not exceed under any circumstance. Consult Lift Systems with individual application requirements.
- Loads on all charts are in tons, 2000 pounds per ton. Metric tons—2200 pounds per (ton).
- The lift system must be plumb and level in all directions. If not level, STOP and RE-LEVEL track and each lifting unit.
- CAPACITY OF LIFTING BEAMS ARE NOT CONSIDERED and must be calculated by the user or professional engineer. Beams must be capable of handling the load, including safety factors.
- Lifting units must be operated on FIRM and LEVEL surface. Check ground or floor carefully for adequate support.
- UNLOCK propel mechanism from track when starting to lift loads or setting loads down to allow lift system to center itself with the load. Lock mechanism when load is free of supports.
- Capacities are pressure calculations; USE AS A GUIDE ONLY. Capacities are accurate within a reasonable percentage. Allow adequate safety factors to compensate for hydraulic efficiency, oil temperature and other possible variations.
- Use CAUTION WHEN TRAVELING WITH LOADS WHILE EXTENDED. Track must be LEVEL and FIRM to travel with heavy loads.
- Beams must be level during all lifting and lowering of loads.
- Cylinders should be extended to equal elevation during lifting and lowering of loads.
- Read pressure in each cylinder. To compute loads where pressure readings are not equal; divide capacities on chart by total number of cylinders to arrive at the single cylinder capacity of each cylinder.



### LIFT SYSTEMS

205 41st Street • P.O. Box 906  
Moline, Illinois 61265  
Phone: 309-764-9842 • Fax: 309-764-9848

LIFT SYSTEMS CANADA  
WOODSTOCK, ONTARIO  
519-539-6530

4 POINT LIFT SYSTEMS™

INTERNATIONAL OFFICES: UNITED KINGDOM • GERMANY • JAPAN

120691-5MPI

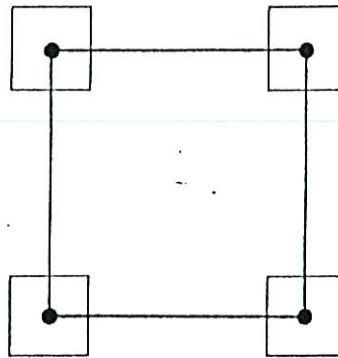


5.640 mm	Hubhöhe	2 Punkt System	4 Punkt System
4.060 mm	2.Stufe Hubhöhe 4.060 - 5.640 mm	25 t	50 t
2.440 mm	1.Stufe Hubhöhe 2.440 - 4.060 mm	45 t	90 t

0 mm Schienenoberkante



2 Punkt System



4 Punkt System



6 Punkt System

Tabelle wurde aus der Original Lift System Tabelle auf metrisches System umgerechnet und gerundet.  
 Massen in metrischen Tonnen (1000 kg) auf den Kopfplatten von 2 oder 4 Hubeinheiten.  
 Schwerpunkt der Last symmetrisch. Hubtraversen und Anschlagmittel sind Bestandteil der Last.

Maße und Änderungen vorbehalten.

				Maßstab			
				45/90 t			
				Datum	Name	MODEL 205 A 2 Punkt System MODEL 41 A 4 Punkt System	
				Bearb. 2.01.94			
				Gepr			
				Norm			
				INKRA GMBH 74629 Pfedelbach		<b>LIFT SYSTEMS</b>	
Zust	Anderung	Datum	Name			Bl	